BIBLIOGRAPHY OF SOME RECENT RESEARCH IN THE FIELD OF HIGH POLYMERS. SUPPLEMENT TO LETTER CIRCULAR LC871

This supplement contains a reference list of papers which appeared in American and foreign scientific periodicals. The former cover the period from April 1947 to December 1947 inclusive. Foreign journals are included as available from May 1947 to December 31, 1947 in the Library of the National Bureau of Standards. The foreign literature has been covered in general for the period following the conclusion of the preceding circular. In some cases older issues have been included. Books and periodicals dealing exclusively with polymers have not been covered in this bibliography. The introduction to LC871 may be consulted for general information on the purpose and scope of this survey.

General Periodicals

"Die Makromolekulare Chemie" published by Karl Alber, Freiburg in Breisgau, Germany and Wepf & Company, Basel, Switzerland. The first issue appeared in September 1947.

Periodicals Devoting Special Issues to High Polymers

"Journal of Applied Physics" 18, No. 5 (1947), published monthly by the American Institute of Physics, 57 East 55th Street, New York, New York

Colloquium on High Polymers in Strasbourg. "Journal de Chimie Physique" 44, No. 1 and No. 2 (1947), published by the Societé Française der Physique, 10 Rue Vanquelin, Paris 5^e, France.

I. Physical Properties of Bulk Materials

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James, H. M. and Guth, E., "Theory of increase in rigidity of rubber during cure", J. Chem. Phys. 15, 669 (1947)

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B. Plastics

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Nickerson, R. F. and Habrle, J. A., "Cellulose intercrystalline structure", Ind. Eng. Chem. 39, 1507 (1947)

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Fuchino, K. and Sakurada, I., "Studies of synthetic polyamides by means of x-rays", Sci. Papers Inst. Phys. Chem. Research (Tokyo) 40, 125 (1942)

Navarra, V., "The elastic properties of nylon 66", Materie plastiche 13, 9 (1947)

3. General

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D. Other Reactions

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